

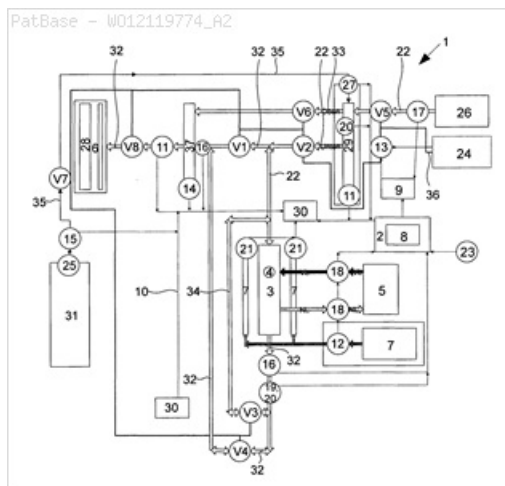
Nicolás Vargas

Title: IMPREGNATING METHOD AND IMPREGNATING DEVICE

Abstract: The invention relates to an impregnating method for impregnating electrical technical components, preferably stator bars for generators, by means of an impregnating device (1), wherein the impregnating device (1) comprises a forming fixture (3) having an impregnation **chamber** (4) for at least one component, a temperature **control** device (5) connected to the forming device (3) for heating the forming fixture (3), a vacuum device (6) for evacuating the impregnation **chamber** (4), a material store (26) for impregnating agent for feeding and/or draining an impregnating agent, at least one media connection (24, 25) for a compressed gas and/or for compressed air, and a **control** device (8) for capturing, storing, and analyzing process data and for **controlling** the impregnating device (1), wherein the **control** device (8) is connected to a sensor network (10) comprising a plurality of sensors (11 to 21, 27) for capturing measurement and state data, wherein the component is inserted into an impregnation **chamber** (4) formed between two forming parts of the forming fixture, wherein the impregnation **chamber** (4) is evacuated by means of the vacuum device (6) after inserting the component and closing the forming fixture (3) and before filling with the impregnation agent (4), wherein the pressure in the impregnation **chamber** (4) is determined automatically and the impregnation **chamber** (4) is automatically filled with the impregnating agent when a prescribed vacuum is achieved, and wherein the fill level of the impregnation **chamber** (4) is determined automatically and a compressed gas or compressed air is applied to the impregnating agent automatically when a prescribed fill level of the impregnating agent is achieved.

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